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# CONSOLIDATED TRANSLATION SURVEY

Number 108

For December 1966

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CONSOLIDATED TRANSLATION SURVEY

FOR DECEMBER 1966

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## CONSOLIDATED TRANSLATION SURVEY

### PREFACE

This survey is prepared monthly by the Foreign Documents Division, Office of Central Reference, CIA, from lists received through the cooperation of US government agencies and includes translations prepared by such agencies, private industry universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects completed or started during the preceding month.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date of publication, and publication identification of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

Projects in process, i.e., not completed as of the date of this survey, are noted with an asterisk (\*), and, when available, a project-control or "in-process" number is noted in parentheses following the title. Certain details may be unavailable on such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

Scientific and technical translations are grouped according to the COSATI subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

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(see CFSTI)

ACSI (see DIA)

AEC - Atomic Energy Commission (see CFSTI)

AGI

American Geological Institute  
AGI Translations Office  
2101 Constitution Avenue, NW  
Washington, D.C. 20000

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington, D.C. 20005

AI

Advance Information  
Frederick A. Praeger, Publishers  
111 Fourth Avenue  
New York, N.Y. 10003

AIP

American Institute of Physics  
335 East 45th Street  
New York, New York 10017

Amer Math Soc

American Mathematical Society  
190 Hope Street  
Providence 6, Rhode Island

AMS - (see ACSI)

ANL - Argonne National Laboratory, Illinois  
(see AEC)

APL - Applied Physics Laboratory (see Navy)

ATD - Aerospace Technology Division  
(see Library of Congress)

BISI

British Iron and Steel Industry Translation Service  
The Iron and Steel Institute  
4 Grosvenor Gardens  
London, S.W. 1, England

BuShips - Bureau of Ships (see Navy)

CB

Consultants Bureau Enterprises, Incorporated  
227 West 17th Street  
New York, New York 10011

CFSTI

Clearinghouse for Federal Scientific and  
Technical Information (Formerly Office of  
Technical Services)  
Port Royal and Braddock Roads  
Springfield, Virginia 22151

CTT

Columbia Technical Translations  
5 Vermont Avenue  
White Plains, New York 10600

DDC RSIC - Defense Documentation Center, Redstone  
Scientific Information Center (see CFSTI)

DIA

Defense Intelligence Agency  
Washington, D.C. 20301

DTMB - David Taylor Model Basin (see Navy)

FP

The Faraday Press, Incorporated  
84 Fifth Avenue  
New York, New York 10011

**FSTC**

Defense Documentation Center  
Cameron Station  
Alexandria, Virginia

**FTD - Foreign Technology Division (see AF)**

**HB**

Henry Bratcher Technical Translations  
P.O. Box 157  
Altadena, California 91001

**HEW - See NIH**

**IEEE**

Institute of Electrical and Electronics Engineers  
275 Madison Avenue  
New York, New York 10016

**IPST**

Israel Program for Scientific Translation  
14 Shammai Street  
P. O. Box 7145  
Jerusalem, Israel

**JHU/APL - The Johns Hopkins University/Applied Physics  
Laboratory (see Navy)**

**JPRS**

U. S. Department of Commerce  
Clearinghouse for Federal Scientific  
and Technical Information  
Joint Publications Research Service  
Building Tempo E,  
East Adams Drive, 4th & 6th Streets, SW  
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National Aeronautics and Space Administration  
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Washington, D.C. 20546

**Navy**

Department of Navy  
Office of Naval Intelligence  
Washington 25, D.C.

NIH

Circulation Unit  
Readers Services Section  
Library Branch, DRS  
National Institutes of Health  
Building 10, Room 5N118  
Bethesda, Maryland 20014

NMS - Navy Medical School (see Navy)

NRL - Naval Research Laboratories (see Navy)

ONI - Office of Naval Intelligence (see Navy)

ORNL - Oak Ridge National Laboratory (see AEC)

OSA

Optical Society of America, Incorporated  
33 University Road  
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PG

Petroleum Geology  
Box 171  
McLean, Virginia

Progress Publishers

21 Zubovsky Boulevard  
Moscow

Primary Sources

Primary Sources  
11 Bleecker Street  
New York, New York 10012

Rand Corp

Rand Corporation  
ATTN: Publications Office  
1700 Main Street  
Santa Monica, California

RSIC - (see DDC/RSIC)

SLAC - Stanford Linear Accelerator Center - (see AEC)

TC

Trans-Chem  
Chemical Translation Service  
1216 Oakdale, S. E.  
Knoxville, Tennessee 37914

UCRL

University of California  
Lawrence Radiation Laboratory  
Livermore, California  
(see AEC)

USSR

Economic

Man-Machine Relationships in Railroad Control, by G. A. Krasovskiy, 9 pp.  
RUSSIAN, per, Avtomatika, Telemekhanika i Svyaz', No 4, 1966, pp. 8-11.  
JPRS 38298

British and U.S. Petroleum Monopolies Exploit the Persian Gulf, by B. Soskin, 5 pp.  
RUSSIAN, np, Balkinskiy Rabochiy, 22 Sept 66, p. 3.  
JPRS 38416

Need for Timely Development and Utilization of Construction Standards and Norm Documents, 6 pp.  
RUSSIAN, per, Byulleten' Stroitel'noy Tekhniki, No. 8, Aug 1966, pp. 5-8.  
JPRS 38881

Financial Aspects of Agricultural Development, 10 pp.  
RUSSIAN, per, Dan'gi i kredit, No 7, Jul 1966, pp. 3-9.  
JPRS 38263

The New Economic System and Monetary Circulation, by I. Slavyy, 15 pp.  
RUSSIAN, per, Dan'gi i kredit, No 7, Jul 1966, pp. 10-20.  
JPRS 38263

Credit and Cost Accounting in Agriculture, by V. Semenov, 11 pp.  
RUSSIAN, per, Dan'gi i kredit, No 7, Jul 1966, pp. 21-29.  
JPRS 38264

The Five-Day Work Week Introduced at Textile Factories, by P. Styrov, 6 pp.  
RUSSIAN, np, Ekonomicheskaya Gazeta, No 17, Apr 1966, p. 29.  
JPRS 38217

Large Areas To Be Drained As Part of Land-Improvement Plans, by N. Dudorov and F. Bogomolov, 18 pp.  
RUSSIAN, np, Ekonomicheskaya Gazeta, No. 19, May 1966, pp. 29-32.  
JPRS 38502

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Large-Scale Expansion of Soviet Irrigated Agriculture, by A. Shershukov, 17 pp.  
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JPRS 38355

Economic Reorganization of the Zaporozh'ye Steel Plant by V. Vavilov and B. Zolotov, 5 pp.  
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JPRS 38355

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JPRS 38525

Recommendations for Improving Statistical Reporting, by M. Koketkin, and V. Pekarevich, 5 pp.  
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JPRS 38218

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JPRS 38945

Automating the Working Out of a Planning Balance for the Monetary Expenditures and Income of the Population, by V. S. Proskurov and O. M. Yun', 19 pp.  
RUSSIAN, per, Ekonomika i matematicheskiye metody, Vol II, No 4, Jul-Aug 1966, pp. 496-509.  
JPRS 38410

USSR  
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Selecting Optimum Sites for Production of Nitrogen Fertilizers, by M. M. Albegov, V. A. Mash, M. B. Moks and L. G. Shlyafar, 12 pp.  
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JPRS 38304

Agriculture in the Ukraine During the New Five-Year Plan Period, by V. Komyakov, 14 pp.  
RUSSIAN, per, Ekonomika Sel'skogo Khozyaystva, No 6, Jun 1966, pp. 18-27.  
JPRS 38304

Agriculture in Uzbekistan During the New Five-Year Plan Period, by N. Matchanov, 10 pp.  
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Methods of Appraising Prospects of the Production and Consumption of Pipes, by R. Bushel', et al., 12 pp.  
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JPRS 38493

Large-Scale Chemical Industry in the Five-Year Plan of the Ukrainian SSR, by Gennadiy Ivanovich Vilesov, 8 pp.  
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Material-Technical Base of the Fishing Industry of the USSR, By N. P. Sysoev,  
RUSSIAN, bk, Material'no-Tekhnicheskaya Baza Rybnol Promyshlennosti SSSR, 1964, 72 pp.  
\*CFSII TT 67-31287

Saving Fuels, by B. Kalankarov, 10 pp.  
RUSSIAN, per, Material'no-Tekhnicheskoye Snabzheniye, No. 3, Sept 1966, pp. 42-48.  
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Small and Medium-Size Cities and Geographical Distribution of Industry in the USSR, by S. Mikhaylov, N. Solov'yev. 12p.  
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DIA LN 590-66

New System of Planning and Economic Stimulation, 11 pp.  
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RUSSIAN, np, Sovetskaya Rossiya, 16 Jun 1966, p. 3.  
JPRS 38219

The All-Union Conference of Food Industry Workers of the USSR, 10 pp.  
RUSSIAN, np, Sovetskaya Torgovlya, Vol. 29, 25 Aug 1966, p. 2.  
JPRS 38467

Contemporary Condition of the World Shrimp Industry, by B. G. Ivanov, 133 pp.  
RUSSIAN, bk, Sovremennoe Sostoyanie Mirovogo Promysla Krevetok, 1964, 133 pp.  
\*CPSTI TT 67-51268

Report of the 5th International Congress of the Federation of Prestressed Concrete on the Utilisation of Prestressed Concrete, by K. Mikhaylov, 5 pp.  
RUSSIAN, np, Stroitel'naya Gazeta, 4 Sept 1966, p. 2.  
JPRS 38354

Shortcomings in the Production of Local Building Materials, by D. Alekhin, 9 pp.  
RUSSIAN, np, Stroitel'naya Gazeta, 25 Sept 1966, pp. 2-3.  
JPRS 38354

The Family of Road, Construction, and Transport Machines of The Mogilev Plant Pto im. S. M. Kirov, by N. A. Sidorov, 9 pp.  
RUSSIAN, per, Stroitel'nyye i Dorozhnyye Mashiny, No. 7, Jul 1966, pp. 14-18.  
JPRS 38412

USSR  
Economic (Contd)

Automation of Construction and Road Machinery,  
5 pp.  
RUSSIAN, per, Stroitel'nyye i Dorozhnyye Mashiny,  
No. 8, Aug 1966, pp. 3-4.  
JPRS 38506

Improvement of Production Organization in the  
Brick Industry, by G. S. Chubarov, 10 pp.  
RUSSIAN, per, Stroitel'nyye Materialy, Aug  
1966, pp. 9-11.  
JPRS 38506

Prospects of Growth in the Industry of Soft  
Roofing and Waterproofing Materials, by M. V.  
Lesnykh, 6 pp.  
RUSSIAN, per, Stroitel'nyye Materialy, No. 8,  
Aug 1966, pp. 12-13.  
JPRS 38506

Operation of Enterprises under New Conditions  
of Planning and Economic Stimulation, by P. F.  
Gritsenko and G. P. Prishchepa, 5 pp.  
RUSSIAN, per, Tekhnologiya i Organizatsiya  
Proizvodstva, No. 5, 1966, pp. 4-7.  
JPRS 38945

Fulfilling the Program of Land Reclamation -  
the Power and Resources of Machine Building,  
by I. G. Sinitsyn, 9 pp.  
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Aug 1966, pp. 1-4.  
JPRS 38411

Development of Technical Tasks in Connection  
With the Design of New Tractor Models, by  
F. N. Lushnikov, 9 pp.  
RUSSIAN, per, Traktory i Sel'khoz mashiny, No 8,  
Aug 1966, pp. 15-17.  
JPRS 38411

Improving Designing for Transport Construction,  
by I. F. Khvostik, 8 pp.  
RUSSIAN, per, Transportnoye stroitel'stvo, No.  
7, July 1966, pp. 1-4.  
JPRS 38526

The Development of the Western Siberian Railway  
in the New Five-Year Plan, by N. P. Nikol'skiy,  
7 pp.  
RUSSIAN, per, Tyazh, No. 6, June 1966, pp. 1-3.  
JPRS 38526

USSR  
Economic (Contd)

Practical Inter-Rayon Transport of Building  
Materials Developed in Western Siberia, by  
V. P. Cheremisin, 6 pp.  
RUSSIAN, per, Vestnik Moskovskogo Universiteta,  
Ser V, Geografiya, No 4, 1966, pp. 85-88.  
JPRS 38412

Coefficients of Production Funds Capacity in  
the USSR National Economy As of 1 January 1960,  
14 pp.  
RUSSIAN, per, Vestnik statistiki, No. 9, 1966,  
pp. 87-95.  
JPRS 38493

Literature on Communication Economics, by B. A.  
Voronov, 3 pp.  
RUSSIAN, per, Vestnik Svyazi, No 8, 1966.  
JPRS 38601

Five-Year Plan for River Transport in the  
Russian Federation (RSFSR), by N. Volkov,  
G. Matlin, V. Leonov and Ye. Srednev, 12 pp.  
RUSSIAN, np, Vodnyy Transport, 12 Jul 1966,  
p. 2.  
JPRS 38227

The Five-Year Plan in the Dnepr River Basin  
in Belorussia and the Ukraine, by I. Rabinovich,  
N. Kytmanov, and A. Roytbrud and K. Strasov,  
12 pp.  
RUSSIAN, np, Vodnyy Transport, 2 Aug 1966,  
p. 3.  
JPRS 38227

Economists Discuss Problems Pertaining to the  
Use of Labor Resources, by Yu. Tuvayukov and  
N. Lagutin, 7 pp.  
RUSSIAN, per, Voprosy Ekonomiki, No 3,  
Mar 1966, pp. 140-143.  
JPRS 38217

Acceleration of Growth Rates of Labor  
Productivity Called For in New Five-Year  
Plan, by Ye. Kapustin, 12 pp.  
RUSSIAN, per, Voprosy Ekonomiki, No 5, May  
1966, pp. 3-10.  
JPRS 38219

The Plan and the Market under a Socialist  
Economy, by I. Konnik, 15 pp.  
RUSSIAN, per, Voprosy Ekonomiki, No. 5, May  
1966, pp. 18-30.  
JPRS 38489

USSR  
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On Criteria of Optimality in the Schedules of National Economic Planning, by R. Khabibi, 9 pp.  
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Value and Planned Prices, by M. Kolganov, 16 pp.  
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JPRS 38489

Basic Problems of the Construction of Fuel and Power Balance Sheets, by M. Styrikovich and Ye. Shteyngauz, 19 pp.  
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JPRS 38466

Problems of Economic Effectiveness of Automation in Machine Building Analyzed, by K. Bakis and G. Vasil'yev, 12 pp.  
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## CHINESE MATHEMATICS

## 数 学 学 报

ACTA MATHEMATICA SINICA

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## PHARMACEUTICS

No. 5, 1966

- USSR -

Following is a cover-to-cover translation of the Russian-language periodical Aptechnoye delo (Pharmaceutics), Moscow, Vol XV, No 5, September-October, 1966, pages 1-96. Additional bibliographic information accompanies each article.

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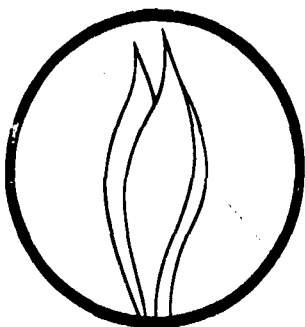
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### ERRATA

The following corrections are translated from pages 494 and 726 of Tom 167.

V. I. Ševčenko, *On a boundary value problem for a vector holomorphic in a half-space*, Vol. 5 (1964), no. 1, 92-95 (Russian pages Tom 154, 276-278):

On page 94, after equation (7), after equation (7), "By condition (7) angles ..." should read "Let us assume that continuous angles ..." This assumption should also be included in the condition of the theorem. Note that the theorem is still true even without this further assumption.

V. P. Platonov, *Some classes of topological groups*, Vol. 5, no. 5, 1316-1320 (Russian pages Tom 158, 784-787), in Lemma 1  $H = Z_G(G_0)$  should read  $H = Z_G(G_0) G_0$ .

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#### ERRATA

The following correction has been sent to the translation editor by the author of the original article:

A. G. Ramm, *On necessary and sufficient conditions for the principle of limit amplitude*, Vol. 6 (1965), no. 4, 981-983 (Russian pages Tom 163, 584-586). Equation (8) should be as follows:

$$\iint_{DD} [|D_x^2 K(x, y)|^2 + |D_y^2 K(x, y)|^2 + p^2(x) |K(x, y)|^2] dx dy < \infty.$$

The following corrections are translated from page 494 of Tom 168:

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- Communist China -

No. 40

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[Following is a cover-to-cover translation of the Russian-language periodical Izvestiya Vysshikh Uchebnykh Zavedeniy: Priborostroyeniye (News of Higher Educational Institutions: Instrument Building), Vol IX, No 4, 1966, pp 3-141.]

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- USSR -

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## SCIENTIFIC AND TECHNICAL INFORMATION

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# PROBLEMS OF CYBERNETICS

No. 16, 1966

[Following is a complete translation of the Russian-language anthology edited by A. A. Lyapunov entitled Problemy Kibernetiki (English version above), No 16, Moscow, "Nauka" Press, 1966, pp 1-248. Bibliographic information accompanies each article.]

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(MEMOIRS OF GEOGRAPHY), No. 4, JUNE 1959

- Communist China -

This report contains the complete translation of the Chinese-language periodical, Ti-li-hsueh Tzu-liao (Memoirs of Geography), Peiping, No. 4, 1959, pages 1-108. Complete bibliographic information accompanies each article.

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RUSSIAN ABBREVIATIONS IN TEXT

AN SSSR.....	Academy of Sciences, USSR.
CPSU.....	Communist Party, Soviet Union.
DAN.....	Proceedings of the Academy of Sciences.
Gintsvetmet.....	State Institute for Non-Ferrous Metals.
Gipronikel'.....	State Institute for the Design and Planning of Nickel Establishments.
Giprotsvetmet.....	State Institute for the Design and Planning of Non-Ferrous Metals Industry Establishments.
Giredmet.....	State Rare Metals Scientific Research Institute.
Gosplan.....	State Planning Committee of the Council of Ministers of the USSR.
GOST.....	All-Union Standard.
IL.....	Foreign Literature Publishing House.
L-M.....	Leningrad-Moscow.
Mekhanobr.....	Scientific Research Institute for Mechanical Concentration of Minerals.
NTIP.....	People's Commissariat of Heavy Industry
NTO.....	Scientific and Technical Division.
Sovmarkhoz.....	Council of the National Economy.
TsIIN TsM.....	Central Office for Information on Non-Ferrous Metals.
VAMI.....	All-Union Aluminum and Magnesium Institute.
VNIITsvetmet.....	All-Union Scientific Research Institute of Non-Ferrous Metals.
VUZ.....	Institute of Higher Education.

Available From Primary Sources

**Vestnik OF THE USSR ACADEMY OF MEDICAL SCIENCES**

Vol XXI, No 8, 1966

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# Industrial Laboratory

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Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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ENCLOSURE I



## Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0482732	78-03109A	56	1	5	100	Consolidated Translation Survey For April 1966	4/1/1966	203	Approved For Release	3/25/2004
AD0485874	78-03109A	56	1	6	101	Consolidated Translation Survey For May 1966	5/1/1966	250	Approved For Release	3/25/2004
AD0486759	78-03109A	56	1	7	102	Consolidated Translation Survey For June 1966	6/1/1966	265	Approved For Release	3/25/2004
AD0488131	78-03109A	56	1	8	103	Consolidated Translation Survey For July 1966	7/1/1966	178	Approved For Release	3/25/2004
AD0800235	78-03109A	57	1	1	104	Consolidated Translation Survey For August 1966	8/1/1966	264	Approved For Release	3/25/2004
AD0801439	78-03109A	57	1	2	105	Consolidated Translation Survey For September 1966	9/1/1966	211	Approved For Release	3/25/2004
AD0803607	78-03109A	57	1	3	106	Consolidated Translation Survey For October 1966	10/1/1966	247	Approved For Release	3/25/2004
AD0804982	78-03109A	57	1	4	107	Consolidated Translation Survey For November 1966	11/1/1966	203	Approved For Release	3/25/2004
AD0806465	78-03109A	57	1	5	108	Consolidated Translation Survey For December 1966	12/1/1966	234	Approved For Release	3/25/2004
AD0808740	78-03109A	57	1	6	109	Consolidated Translation Survey For January 1967	1/1/1967	277	Approved For Release	3/25/2004
AD0811456	78-03109A	57	1	7	110	Consolidated Translation Survey For February 1967	2/1/1967	234	Approved For Release	3/25/2004
AD0813563	78-03109A	57	1	8	111	Consolidated Translation Survey For March 1967	3/1/1967	342	Approved For Release	3/25/2004
AD0814969	78-03109A	57	1	9	112	Consolidated Translation Survey For April 1967	4/1/1967	268	Approved For Release	3/25/2004
AD0816126	78-03109A	58	1	1	113	Consolidated Translation Survey Through 31 May 1967	5/31/1967	210	Approved For Release	3/25/2004
AD0818406	78-03109A	58	1	2	114	Consolidated Translation Survey Through 30 June 1967	6/30/1967	271	Approved For Release	3/25/2004
AD0834366	78-03109A	58	1	3	115	Consolidated Translation Survey Through 31 July 1967	7/31/1967	318	Approved For Release	3/25/2004
AD0820905	78-03109A	58	1	4	116	Consolidated Translation Survey Through 31 August 1967	8/31/1967	308	Approved For Release	3/25/2004
AD0822924	78-03109A	58	1	5	117	Consolidated Translation Survey Through 30 September 1967	9/30/1967	330	Approved For Release	3/25/2004
AD0824515	78-03109A	58	1	6	118	Consolidated Translation Survey Through 31 October 1967	10/31/1967	200	Approved For Release	3/25/2004
AD0824581	78-03109A	58	1	7	119	Consolidated Translation Survey Through 30 November 1967	11/30/1967	194	Approved For Release	3/25/2004
AD0832430	78-03109A	58	1	8	120	Consolidated Translation Survey Through 31 December 1967	12/31/1967	100	Approved For Release	3/25/2004
AD0828154	78-03109A	58	1	9	121	Consolidated Translation Survey Through 31 January 1968	1/31/1968	221	Approved For Release	3/25/2004
AD0829939	78-03109A	59	1	1	122	Consolidated Translation Survey Through 29 February 1968	2/29/1968	246	Approved For Release	3/25/2004